

**IN THE SPECIFICATION**

Please replace paragraph [0047] with the following paragraph:

In addition to energy storage heat generation information and energy storage bank coolant flow information, the estimator 400 may optionally receive additional input information such as battery cell/module/assembly thermal resistance and/or heat capacity information 408, as well as one or more actual temperature measurements 410 taken from those locations in the energy storage system that might be physically accessible (e.g., ambient temperature, air temperature inside the battery box).